



JFQ

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Rapoport, et al.

Serial No.: 10/788,575

Filed: February 26, 2004

For: METHOD AND APPARATUSSES
OF ESTIMATING THE POSITION
OF A MOBILE USER IN A
SYSTEM OF SATELLITE
DIFFERENTIAL NAVIGATION

Art Unit: 3662

Examiner: Unknown

Atty. Dkt.: 07G7-108631

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Jordan Wilson

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Sir:

The citations listed on the enclosed PTO-1449 Form are submitted under 37 C.F.R.
§§1.97 and 1.98, and in compliance with the duty of disclosure as defined in 37 C.F.R. §1.56.

The Examiner is requested to make these citations officially of record in the application.
This Information Disclosure Statement is being submitted before receipt of the first Office
Action for the above-identified application, therefore, pursuant to 37 C.F.R. §1.97, no fee or
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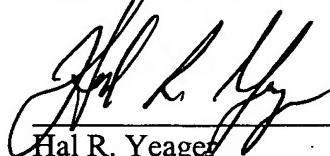
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claim in the above-identified application. Additionally, this Information Disclosure Statement is not to be construed as a representation that a further search of the art has been made by Applicants, or that additional information relevant to the examination of this application does not exist unbeknownst to Applicants.

Date: June 18, 2004

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Respectfully submitted,



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Registration No. 35,419

FORM PTO-1449 (Modified)		ATTY. DOCKET NO.	SERIAL NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT(S)' INFORMATION DISCLOSURE STATEMENT		07G7-108631	10/788,575
(Use several sheets if necessary)		APPLICANT: Rapoport, et al.	
		FILING DATE: February 26, 2004	GROUP ART UNIT: 3662

O I P E
JUN 21 2004
PATENT TRADESMARK OFFICE

REFERENCE DESIGNATION
U.S. PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	NAME	Class	Subclass	Filing Date If Appropriate
	A1	4,812,991	03/14/1999	Hatch	701	225	
	A2	5,451,964	09/15/1995	Babu	342	357.06	
	A3	5,502,641	03/26/1996	Isomura	701	215	
	A4	6,268,824	07/31/2001	Zhodzishsky, et al.	342	357.04	
	A						

FOREIGN PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLAT'N	
							yes	no
	B							
	B							

OTHER ART (Include Author, Title, Date, Pertinent Pages, Etc.)

	C1	J. Wilkinson and C. Reinsch, <u>Linear Algebra</u> , <u>Handbook for Automatic Computation</u> , Vol. 2, publisher: Springer-Verlag, New York, 1971, pages 10-30.
	C2	"Methods for Modifying Matrix Factorizations" by P.E. Gill, G.H. Golub, W. Murray, and M.A. Saunders (<u>Mathematics of Computation</u> , Vol. 28, No. 126, April 1974, pp. 505-535)
	C3	Kendall E. Atkinson, <u>An Introduction to Numerical Analysis</u> , publisher: John Wiley & Sons, 1978, pages 450-454.
	C4	Gene Golub and Charles Van Loan, <u>Matrix Computations</u> , publisher: The Johns Hopkins University Press, Baltimore, Maryland, pages 81-86, 1983.
	C5	Bradford W. Parkinson, James J. Spilker, Jr., <u>Global Positioning System: Theory and Applications</u> ; Vol. 1; vol. 163, <u>Progress in Astronautics and Aeronautics</u> , Published by American Institute of Aeronautics and Astronautics, Inc., Copyright 1996, pp. 245-433.
	C6	Bradford W. Parkinson, James J. Spilker, Jr., <u>Global Positioning System: Theory and Applications</u> ; vol. II; vol. 163, <u>Progress in Astronautics and Aeronautics</u> , Published by American Institute of Aeronautics and Astronautics, Inc., Copyright 1996, pp. 3-50 and 275-301.

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U.S. PATENTS AND PUBLICATIONS FOR APPLICANT(S) INFORMATION DISCLOSURE STATEMENT <i>JUN 21 2004</i> (Use several sheets if necessary)	07G7-108631	10/788,575
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EXAM'R INITIAL		DOCUMENT NUMBER	DATE	NAME	Class	Subclass	Filing Date If Appropriate
	A						
	A						
	A						

FOREIGN PATENT DOCUMENTS							
EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLAT'N
							yes no
	B						
	B						

OTHER ART (Include Author, Title, Date, Pertinent Pages, Etc.)		
	C7	Elliott Kaplan, Chapter 8 of "Understanding GPS: principles and applications," Artech House, 1996, pp. 321-383, ISBN 0-89006-793-7.
	C8	Janet Brown Neumann, et al., "Test Results from a New 2 cm Real Time Kinematic GPS Positioning System," Proceedings of the 9th International Technical Meeting of the Satellite Division of the Institute of Navigation ION GPS-96, Sep. 17, 1996, pp. 873-882.
	C9	Dr. Dariusz Lapucha, Richard A. Barker, "Dual Baseline Real-Time OTF Kinematic GPS," Proceedings of the 9th International Technical Meeting of the Satellite Division of the Institute of Navigation ION GPS-96, Sep. 17, 1996, pp. 883-888.
	C10	P.J.G. Teunissen, et al., "The Volume of the GPS Ambiguity Search Space and its Relevance for Integer Ambiguity Resolution," Proceedings of the 9th International Technical Meeting of the Satellite Division of the Institute of Navigation ION GPS-96, Sep. 17, 1996, pp. 889-898.
	C11	Davis Walsh, et al., "GPS and GLONASS Carrier Phase Ambiguity Resolution," Proceedings of the 9th International Technical Meeting of the Satellite Division of the Institute of Navigation ION GPS-96, Sep. 17, 1996, pp. 899-907.
	C12	Dmitry Kozlov et al., "Instant RTK cm with Low Cost GPS+Glonass C/A Receivers," Proceedings of the 10th International Technical Meeting of the Satellite Division of the Institute of Navigation ION GPS-97, Sep. 16, 1997, pp. 1559-1569.

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